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- (72) Inventor; and (75) Inventor/Applicant (for US only): SINCLAIR, Michael, John [GB/GB]; Royal Lodge, Royal Lane, Eaton, Tarporley, Cheshire CW6 9AA (GB). For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FLAME RETARDANT PRODUCTS

(57) Abstract: A composition of matter (host material) has embodied therein a flame retardant material which comprises a combination of a phosphorus containing material which decomposes to produce phosphoric acid when exposed to flame (e.g. ammonium polyphosphate and/or melamine phosphate) and an oxygenated heterocyclic thermoplastic resin (e.g. an aldehyde resin). A blowing agent (e.g. melamine) also may be included in the flame retardant material. The thermoplastic resin encapsulates the other ingredients thus making the flame retardant melt blendable with the host material (e.g. thermoplastic polymers, thermosetting polymers, solvented systems, paper and reconstituted wood products) in which it is incorporated.